

Printer Specifications

Printing

Printing method:	Laser beam scanning and dry electrophotographic process
Resolution:	300 x 300 dpi
Printing speed:	Up to 6 pages per minute (letter or A4) (depending on the font and quantity of data)
First print:	Less than 20 seconds with letter or A4, face down or face up
Warm-up time:	35 seconds or less at normal temperature
Internal emulations:	<input type="checkbox"/> HP Laser Jet series IIP emulation (ActionLaser 1000 only) <input type="checkbox"/> HP LaserJet series III emulation (ActionLaser 1500 only) <input type="checkbox"/> ESC/P® 24-pin printer-LQ-2500-emulation <input type="checkbox"/> ESC/P9-pin printer-FX-800/1000, FX-86e/286e-emulation <input type="checkbox"/> Epson GL/2 mode (Action Laser 1500 only)
IC card slots:	1 slot for font or identity cards
Cartridge slot:	1 slot for font cartridges
Resident fonts:	Fonts vary depending upon the printer emulation.
External fonts:	Optional fonts provided with font cards Downloadable fonts.

Paper and paper delivery

Paper specifications

Types:	<input type="checkbox"/> Plain paper <input type="checkbox"/> Gummed labels <input type="checkbox"/> Envelopes <input type="checkbox"/> Transparencies <input type="checkbox"/> coloredpaper <input type="checkbox"/> Cardstock
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Epson does not recommend or guarantee the use of any particular brand of paper. Because paper characteristics are subject to change by individual manufacturers, it is your responsibility to ensure the quality of paper used with the printer.

Paperweight	Plain paper 60-90 g/m ² , 16-24 lb Cardstock: 90-157 g/m ² , 24-42 lb (single sheet feed only)
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Paper size:	Paper size using SelectType
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Paper:	Type	Size
	A4	210 x 297 mm
	A5	148 x 210 mm
	B5	182 x 257 mm
	F4	210 x 330 mm
	Letter	8.5 x 11 inches
	Legal	85 x 14 inches
	Half-letter	5.5 x 8.5 inches
	Executive	7.25 x 10.5 inches
	Government Legal	8.5 x 13 inches
	Government Letter	8.0 x 10.5 inches

Envelopes:	Type	Size
	Monarch	3 7/8 x 7 1/2 inches
	Commercial-10	4 1/8 x 9 1/2 inches
	DL	110 x 220 mm
	C5	162 x 229 mm

Paper size range using software commands

Width	Length
92-216 mm (3.63-8.5 inches)	148.5-356 mm (5.85-14 inches)

Printable area:	50 dots inside from every edge of the paper (at 300 dpi). Some printer emulations have different printable areas.
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Paper feed alignment and direction:	Center alignment for all sizes
Paper feed:	Automatic or single sheet feed

Input paper supply

(75 g/m² or

20 lb Paper):

150 sheets (for standard built-in paper bin)
250 sheets (for optional lower paper cassette unit)
Several envelopes

Paper eject:

Face down or face up (optional)

Paper eject capacity

(75 g/m² or

20 lb paper):

Face down, 100 sheets
Face up, 20 sheets with optional face-up output tray

Consumable products

Imaging cartridge: (5051011)

Storage

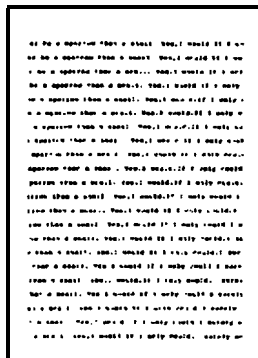
temperature: 0° to 35°C (32° to 95°F)

Storage humidity: 30 to 85% RH

Life:

Typical imaging cartridge life is up to 6000 pages under the following conditions: Letter- or A4-size paper, continuous printing, and 5% print ratio.

Example of a 5% print ratio: (Reduced printout of letter size paper.)



Note: The number of pages that you can print with an imaging cartridge varies depending on the type of printing you do. If you print a few pages at a time or print dense text exceeding 5% print ratio, your cartridge may print fewer pages.

Mechanical

Dimensions and

weight:

Height 226 mm (8.9 inches)
Width 368 mm (14.5 inches)
Depth 456 mm (18.0 inches)
Weight Approx. 10 Kg (22 lb)
including the imaging cartridge

Durability:

5 years or 180,000 sheets, whichever comes first.

Electrical

120V model

Rated voltage: 90 to 132 VAC

Rated frequency: 50 to 60 Hz ± 3Hz

Power

consumption: Less than 600 W

Rated current: 5.5A

Controller hardware

CPU: 68000 (CPU clock 16.67 MHz)

RAM: **ActionLaser**

1000: 0.5MB

Some ActionLaser 1000 units have 2.0 MB installed.

Optional: Expandable up to 6.5 MB including resident memory.

ActionLaser

1500: 1.0 MB

Optional: Expandable up to 5.0 MB including resident memory.

Environmental

Temperature: Operation: 10° to 35°C (50° to 95°F)

Storage: 0° to 35°C (32° to 95°F)

Humidity: Operation 15 to 85% RH

Storage: 30 to 85% RH

Altitude: 2500 meters (8200 feet) maximum

Options

Lower paper cassette unit (C812301)

The optional lower paper cassette unit allows you to feed up to an additional 250 sheets of letter-size paper into your printer.

Face-up output tray (C812311)

To feed single sheets of paper types such as envelopes, transparencies, labels, or heavy paper, use the face-up output tray. The face-up feed method reduces curling of such paper types and the tray catches the paper at the paper ejection area at the top back of the printer.

Memory Chip Sets (512KBMEM and 2MBMEM)

Two memory chip sets are available to increase the printer's RAM

Epson Adobe PostScript card (C826051)

The Epson Adobe PostScript card allows you to use your printer as a PostScript printer. You can then use PostScript fonts built into this card as well as the numerous download fonts available for PostScript printers.

Epson GL Identity card (C826021)

If you have an ActionLaser 1000, the Epson GL identity card allows you to use your printer in the Epson GL emulation.

EPSON Type B Interface boards

If you would like to use this printer with three computers or use this printer to connect two serial or two parallel interfaces at the same time, install one of these interfaces:

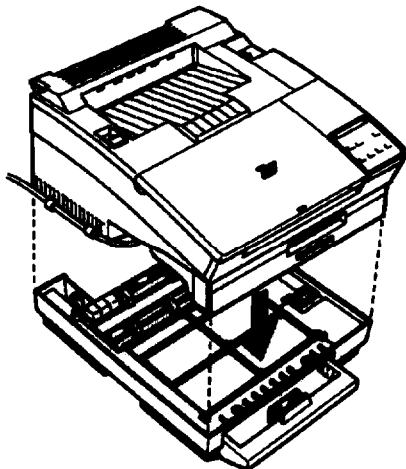
- C823071 32 Kbyte serial interface
- C823101 32 Kbyte parallel interface
- C823151 Twinax interface board
- C823141 Coax interface board

The Lower Paper Cassette Unit

1. Turn off the printer. Unplug the printer's power cord from the electrical outlet and from the printer.
2. Remove the optional face-up output tray, if installed.
3. Move the printer to one side. Then set the lower cassette unit where your printer normally rests keeping the paper cassette facing you.

Note: When lowering the printer, be sure the interface cable is not pinched between the printer and the lower paper cassette unit.

4. Lift the printer and align over the cassette unit using the two alignment pins on the lower cassette unit as guides. Lower the printer so that the pins fit securely into the holes on the bottom of the printer as shown below.



Note: The printer is heavy, so you may need someone to help you lift it.

5. Reconnect the power cord to the printer and plug it into an electrical outlet.
6. Turn on the printer.

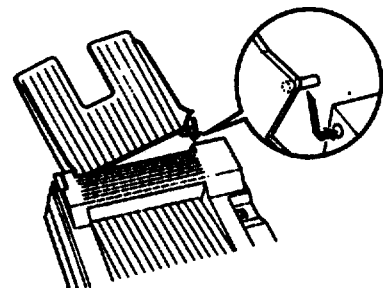
The Face-up Output Tray

The printer normally delivers paper face down on top of the printer. The optional face-up paper tray is recommended for print jobs of twenty pages or less and when:

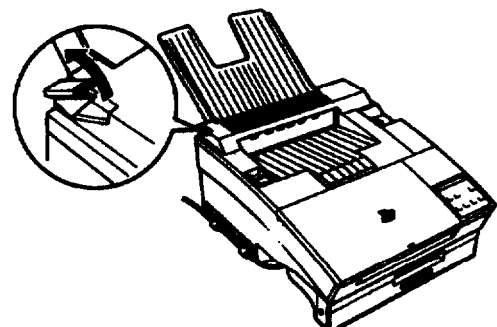
- ☐ you feed single-sheet items such as envelopes, transparencies, heavy paper, or labels through your printer.
- ☐ you prefer your printed sheets feed from the printer with the text facing you.

Installing the face-up output tray

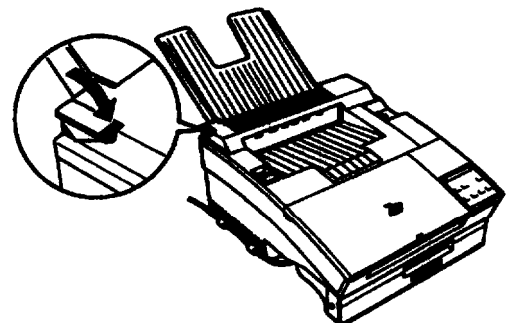
1. Hold the output tray tilted at as light angle away from you. Then insert it into the back of the printer by placing the pins on the bottom side corners of the tray into the holes on each side of the paper ejection slot one at a time as shown below.



2. Set the paper path selector on the top left of the printer to the face-up position as shown below.



3. When you want printed pages to feed face down on top of the printer, reset the paper path selector to the face-down position.



The Memory Chip Sets

If you are having difficulty printing complex, graphics-intensive pages or if you regularly use downloaded fonts, you may need to install the optional memory (RAM) chip sets on your printer's controller board. Your printer's controller board comes with either 0.5MB or 2.0MB RAM installed (for the ActionLaser 1000) or 1.0MB RAM installed (for ActionLaser 1500). Two types of RAM chip sets are available.

0.5 MB RAM Chip Set

Each set contains four 256 Kbit \times 4 80 ns DRAM 20-pin DIP chips

2.0 MB RAM Chip Set

Each set contains four 1 Mbit \times 4 80 ns DRAM 20-pin DIP chips

By installing RAM chip sets, you can increase the printer's memory until it totals 6.5MB (for the ActionLaser 1000) or 5.0MB (for ActionLaser 1500), including the resident memory.

First decide on how much memory you wish to add, then install the RAM chips on the controller board.

When to increase your printer's memory

The printer displays one of these status messages when you have insufficient memory:

INSUFF MEMORY
PAGE BUFFER FULL
ADD MEMORY FOR CH X

You need to add memory if one of these messages appears and you are unable to resolve the memory problem or if the following situations require additional memory.

- ☐ Using an optional identity card requires at least 1.5MB RAM.
- ☐ Using the SelectType Level 2 USER INDIVIDUAL setting requires at least 0.5MB RAM per channel. If you plan to use more than one interface channel for the ActionLaser 1000 or more than two interface channels for the ActionLaser 1500, you must add at least 0.5MB RAM.

Selecting a memory chip set combination

Before adding memory, you should determine the combination of chip sets you need to obtain the desired total RAM. Keep in mind that the ActionLaser 1000 comes with 0.5MB or 2.0MB RAM and the ActionLaser 1500 comes with 1.0MB RAM.

The table below describes the chip sets you may install on your printer's controller board.

Chip sets installed	Total RAM	
	ActionLaser 1000**	ActionLaser 1500
No chip sets	0.5MB	1.0MB
One 0.5MB chip set	1.0MB	1.5MB
Two 0.5MB chip sets	1.5MB	2.0MB
Three 0.5MB chip sets	2.0MB**	*
One 2.0MB chip set	2.5MB	3.0MB
One 2.0MB chip set and one 0.5MB chip set	3.0MB	3.5MB
One 2.0MB chip set and two 0.5MB chip sets	3.5MB	
Two 2.0MB chip sets	4.5MB	5.0MB
Two 2.0MB chip sets and one 0.5MB chip set	5.0MB	
Three 2.0MB chip sets	6.5MB	*

On the ActionLaser 1500, one 0.5 MB chip set is initially installed, so you can add only two more optional chip sets.

** Some ActionLaser 1000 units have 2.0MB already installed.

Installing memory chip sets

To install the memory chip sets on the controller board, you need a cross-head screwdriver and a chip puller or a flat-head screwdriver.

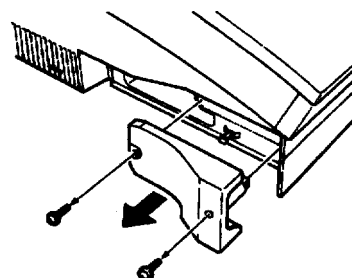


W - G :

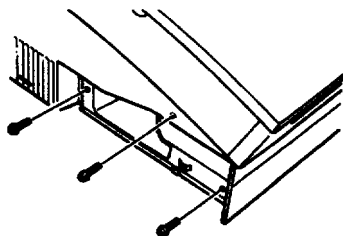
High voltages are present inside the printer when the power is on. Do not attempt to remove the controller board unless the printer is turned off and the power cord is unplugged. Also, try not to touch the contacts on the board because many of the components can be damaged by the static electricity in your body.

Removing the controller board

1. Turn off the printer and unplug the power cable from the electrical outlet.
2. Remove the optional card, cartridge, or lower paper cassette unit, if installed.
3. Disconnect all interface cables from the interface connectors.
4. Turn the printer so that its left side faces you. Use a cross-head screwdriver to remove the two screws securing the interface board cover. Then pull off the cover. Keep the screws handy so that you can use them later.

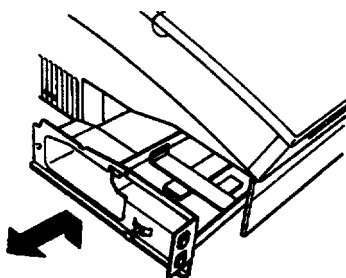


5. Remove the three silver screws that secure the metal bracket on the left side of the printer. Keep the screws handy so that you can use them to reinstall the controller board.

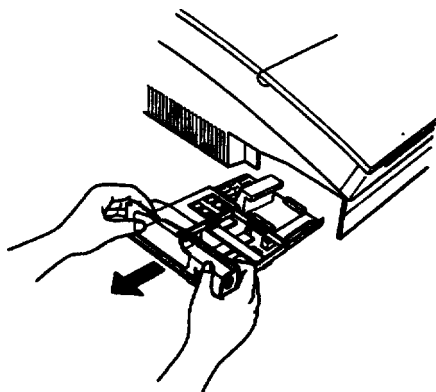
**CAUTION:**

Before you remove the controller board, make sure that you have removed any optional cards or cartridges. Otherwise, you may damage them.

6. Pull the tab on the bottom of the bracket to release the controller board.



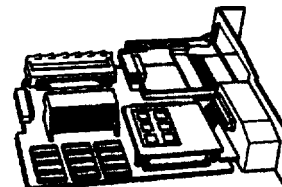
7. Grasp the board with both hands and pull it straight out of its slot.



8. Place the controller board on a clean, flat surface with the bracket (connector) facing to your right.

Installing chip sets on the controller board

The RAM chip sockets are located on the bottom left side of the controller board.



The ActionLaser 1000 board has three vacant sectors (the 2.0MB ActionLaser 1000 units have chip sets already installed in all sectors) and the ActionLaser 1500 board has two vacant sectors, each containing four chip sockets (identified by their IC numbers).

C	B	A
14	13	34
15	12	33
16	11	32
17	10	31

You can install the chip sets into any of the vacant sectors. See the section "Selecting a memory chip set combination" above for a list of the RAM configurations possible for the controller board.

sector	IC number
A (for ActionLaser1000only)	31,32,33,34
B	10, 11,12,13
C	14,15,16,17

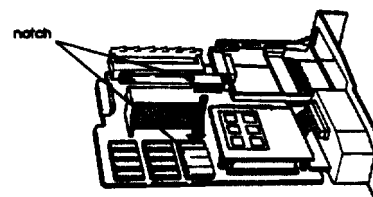
1. Gently bend the pins on the chip inward to slightly less than a 90° angle as shown below. If any of the pins are bent, straighten them by gently pushing them back into alignment with the other pins.



2. Align the pins with the holes in the socket. Be sure that the small notch or dot on the end of the chip is facing to your left as shown below.

**CAUTION:**

Be sure to insert the chip so that the small notch or dot on the end of the chip is aligned with the notch on the chip socket. Inserting the chips incorrectly will damage the printer.



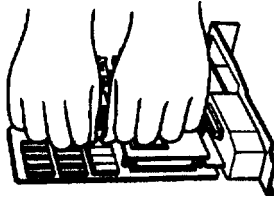
3. Gently press the chip halfway into the socket. If the chip goes in at an angle, remove it with a chip puller or a small Bat-head screwdriver and reinsert the chip.



CAUTION:

Be careful not to scratch the chip or the board when removing the chip.

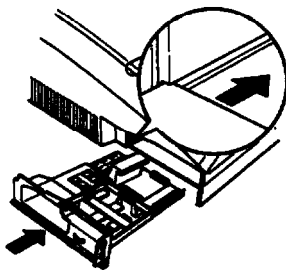
4. With the chip properly inserted, push down firmly on both ends of the chip to make sure it is well-seated.



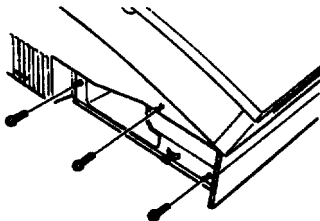
5. Repeat steps 1 through 4 until all chips are installed.

Reinstalling the controller board

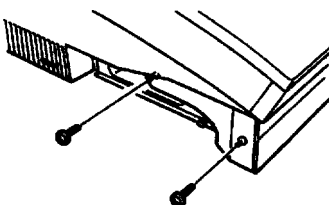
1. Hold the controller board level and fit its right edge into the right groove inside the board slot. Then gently fit its left edge into the left groove.



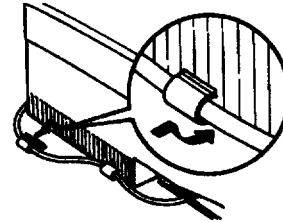
2. Slide the controller board into the printer until it locks in place. If the controller board does not fit smoothly into the printer, do not force it. Remove it and make sure the edges fit properly into the grooves in the board slot.
3. Secure the board using the three silver screws you removed earlier.



4. Fasten the interface board cover with the two screws you removed earlier.



5. Reconnect any interface cables you removed.
6. Insert the interface cable(s) into the U-shaped part of one cable clip. Lift the left side of the printer up slightly. Then hook the short lip of the clip into the forward slot and push the bottom of the clip under the printer until it clicks in place. Repeat this procedure with the second clip and insert it into the back slot.



7. Be sure the power is turned off; then plug the power cord into an electrical outlet.

Checking the printer's memory

Complete the following steps to make sure that the memory chip sets are installed properly and are functioning correctly.

1. Turn on the printer power and watch the display for the following:
 - ☐ All the indicator lights on the control panel light briefly.
 - ☐ The message **RAN Check** appears.
2. Make sure that the amount of RAM displayed by the RAM check status message matches the new total RAM memory (including the resident memory of 0.5MB for the ActionLaser 1000 and 1.0MB for the ActionLaser 1500). Use the tables in "Selecting a memory chip set combination" above.

If the correct amount of RAM does not appear, turn off the printer and remove the controller board to check that the chip set is in the correct sector and that each chip is well-seated in its socket.

Option Specifications

Faceup output tray

Dimensions and weight

Without the printer:	
Height	36 mm (1.4 inches)
Width	245 mm (9.6 inches)
Depth	258 mm (10.2 inches)
Weight	0.1 Kg (0.2 lb)

Paper eject capacity: 20 sheets (80 g/m²)

Lower paper cassette unit

Electrical

Power supply: DC 24V supplied by the printer

Paper and paper delivery

Size:	Letter (C812301) A4 (C812302)
Weight:	60-90 g/m ² (16-24 lb)
Paper feed:	Automatic feed delivery system: Tray capacity up to 250 sheets (75 g/m ² or 20 lb paper)
Feeding speed:	For the first sheet, 22 seconds or less (letter- or A4-size). For subsequent sheets, up to 6 pages per minute (letter- or A4-size paper).
Paper type:	Plain paper, such as copier paper, memo sheets, and letterhead

Mechanical

Dimensions and weight:	Without the printer:
	Height 72 mm (2.8 inches)
	Width 354 mm (13.9 inches)
	Depth 458 mm (18 inches) including the cassette
	Weight 2.8 Kg (6.2 lb) including the cassette

Application Software

Your printer has several resident printer emulations: HP LaserJet III (3/P/Si), *Epson* LQ, *Epson* FX, and *Epson* GL/2 for the ActionLaser 1500; HP LaserJet IIP (LJ-2P), *Epson* LQ, and *Epson* FX for the ActionLaser 1000. The HP emulation is the default setting. Because it gives you the fullest range of features you will probably not change it.

For the HP emulation, select one of the following from your software's printer selection menu:

HP LaserJet III ^{Si} [™]] Action Laser 1500 only
HP LaserJet IIP [™]	
HP LaserJet series III [™]	
HP LaserJet IIP [™]	
HP LaserJet series II [™]	
HP LaserJet Plus=	
HP LaserJet 500 [™]	
HP LaserJet [™]	

If none of the above printers is listed, select any printer model that uses the HP Printer Command Language (PCL).

For the LQ or FX emulations, select one of the following:

LQ-2500	FX-1050/850
LQ-1050/850	FX-1000/800 (286e/86e)
LQ-500/510	FX-85
LQ-1000/800	FX-80
(expanded ESC/P [®])	
LQ-1500 (with ver. 2 ROM.)	
LQ printer	

When you choose a printer name from your program's printer selection menu, you are accessing a portion of that software program called the printer driver. This is the part of the software package that translates the margins, fonts, and all the other selections you have entered into control codes that the printer understands.

Sharing Your Printer

You can connect your printer to more than one computer at the same time. Simply connect interface cables from the computers to the interfaces on your printer.

The ActionLaser 1000 comes with a built-in parallel interface (Centronics[®] compatible) and a slot for an optional interface. The ActionLaser 1500 also has a built-in serial (RS-232C) interface.

Note: If you use the ActionLaser 1500's built-in serial interface, you will need to configure it to match your computer.

Status and Error Messages

Status, error, and caution messages tell you what the printer is doing, including what may be wrong and, in some cases, how to correct the problem.

This section contains an alphabetical list of these messages and how to correct any problems.

If the red CONTINUE light flashes when an error is detected, correct the problem and then press the CONTINUE button to clear the error. If the AUTO CONT option in SelecType is ON, some errors clear automatically even though the problem remains. In most instances, you should leave AUTO CONT OFF.

Status messages are indicated by [S] and error messages by [E]. (In some cases the message on the display also shows the printer emulation.)

ADD MEMORY FOR CH X [E]

There is not enough memory for Channel X.

CARD MEMORY OVERFLOW [E]

This indicates that the memory of a font card in slot A exceeds 4MB. Remove the card and press CONTINUE.

COPY END X/X [S]

Appears when you press the COPY END button to cancel multiple-copy printing when the printer is off line. The first X is the number of the current page and the second X the number of copies selected in SelecType.

COVER OPEN [E]

The printer cover is open. Close it to continue printing. This message also shows the amount of toner left in the imaging cartridge. For example: A full toner amount is E-F.

DATA [S]

The printer has received data but is not yet printing, or the printer has received data and is off line. To resume printing, press **ON LINE** if the printer is off line, or press **FEED**.

EJL [S]

The printer is in EJL mode.

FACTORY RESET [S]

The printer is being initialized to the factory settings.

FEED JAM [E]

Paper is not feeding into the printer from the specified paper bin or cassette or has jammed on its way into the printer.

ILLEGAL CARD #X [E]

The card or cartridge in slot X cannot be read. To correct this error, press **CONTINUE**. If the error message remains, make sure the printer is off line and reinsert the card or cartridge.

INITIALIZE [S]

The printer is being reset to the default settings.

INSUFF MEMORY [E]

The printer has insufficient memory available for the task you have given it. To correct the error, press **CONTINUE**. If the message remains, press **RESET** or perform **INITIALIZE**.

INVALID ASSIGN [E]

If you assign PostScript to more than one channel, this message appears when you attempt to exit SelecType. Press **◀** to return to **EMULATION** and change the channel assignments.

NEW CARTRIDGE? [S]

The printer asks if you replaced the imaging cartridge. Press **RESET** to change the **TONER** setting to **NEW** if you just replaced the cartridge. Otherwise, press **CONTINUE** to clear the message.

PAGE BUFFER FULL [E]

Text or graphics data has filled the printer's buffer and the printer has ejected an incomplete page. Press **CONTINUE** to clear the error.

PAPER FEEDING [S]

The printer is feeding paper.

PAPER JAN [E]

Paper is jammed.

PAPER OUT [E]

There is no paper in the standard paper bin and the optional lower paper cassette (if installed). Load more paper into the selected paper bin or cassette and press **ONLINE**.

PAPER OUT (paper source) (paper size) [E]

There is no paper in the paper source from which the printer expects to feed paper. The right column of the display prompts you to load the correct paper size into the paper bin or cassette. Press **ONLINE**.

PAPER SIZE ERROR [E]

The paper size you selected with SelecType (or the default size if you have not selected a size) does not match the paper loaded in the selected paper source. Press **CONTINUE** to clear the error. Insert the correct paper or change the paper size setting with your application software or with **PAGE SIZE** in SelecType.

PJL [S]

The printer is in PJL mode.

PRINTING [S]

The printer has received data and is printing.

PRINT PAUSED X/X [S]

The printer stops printing during a multi-copy print operation. The first X is the printed number of the current page and the second X the number of copies selected in SelecType.

PSI XXX [S]

The printer is using the intelligent emulation switch and is not in a timeout status. The asterisk (*) indicates the currently-used emulation. It can use either one of the emulations shown on the display. XXX is the emulation paired with PostScript.

RAN CHECK X.X MB [S]

The printer is checking RAM (X.X = capacity).

RAM Error [E]

This indicates an error was found during **RAM CHECK**. Turn off the printer. If you installed the optional memory chip sets, remove the controller board and check installation. If the error message appears again, contact your dealer.

READY [S]

The printer is ready to receive data or print.

READY:X DUMP [S]

The printer is in the data dump mode.

REINSERT CARD [E]

You may have removed a card or cartridge while the FEED light was still lit or while the printer was on line. Make sure the printer is off line, re-insert the card or cartridge into the correct slot, and press CONTINUE.

REMOVE CARD [E]

You may have inserted a card or cartridge while the printer was on line or while the FEED light was on. To correct this error, take the printer off line; then remove the card or cartridge and press CONTINUE. Before you re-insert the card or cartridge, make sure that all data in the buffer has been printed and that the printer is off line. If the FEED light is on, press FEED to print out the remaining data.

RESELECT TRAY [E]

The optional lower paper cassette is not installed and the SelecType INPUT option is set to OPT or AUTO. Install the optional lower paper cassette; then press CONTINUE or simply press CONTINUE and paper is automatically selected from the standard paper bin. Then change the INPUT option to STD.

RESET [S]

The printer has been reset to its previous setting using the macro number specified with LOAD MACRO in SelecType.

ROM Check [S]

The printer is checking ROM.

SAVE MEMORY OVERFLOW [S]

The printer does not have enough memory to save any additional macros. To correct this error, delete unused macros using the DELETE MACRO submenu; then repeat SAVE MACRO.

SERVICE REG. CXXX [E]**SERVICE REG. E0XX [E]**

A controller or print engine error has been detected. Write down the error number that appears in the right column of the display and turn off the printer. Turn the printer back on after a few seconds to see if the error message still appears. If it does, turn off the printer, unplug the power cord from the electrical outlet, and contact a qualified service person.

SET FULL PRINT [E]

This message may appear when you are trying to print graphics or a mix of text and graphics. Press CONTINUE.

STANDBY XXX [S]

When the STANDBY menu is set to ENABLE, the printer enters the standby mode if it is not used for about thirty minutes. Press any panel button or send data to warm up the printer.

STARTUP ERROR [E]

To clear this error, press ◀ to select LT paper. WAIT appears as the printer returns to its default settings.

TRAY SET (paper source) (paper size) [E]

The paper size setting does not match the paper loaded in the specified paper source. The right column of the display indicates the expected paper size and the currently selected paper source. You can either change the paper size setting or load the correct paper size. After you correct the paper mismatch, press CONTINUE.

WAIT [S]

The printer is being reset after a STARTUP ERROR.

WARMING UP [S]

The printer is warming up. The amount of toner left in the imaging cartridge is also displayed. For example: A full toner amount is E*****F.

SelecType Map

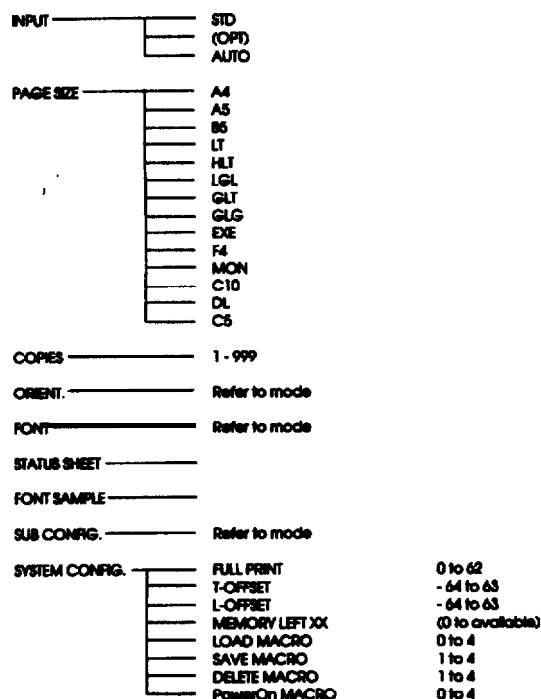
The following menu maps show the possible menus and options in SelecType. The menu selections marked "refer to mode," are listed under each printer emulation separately.

Key

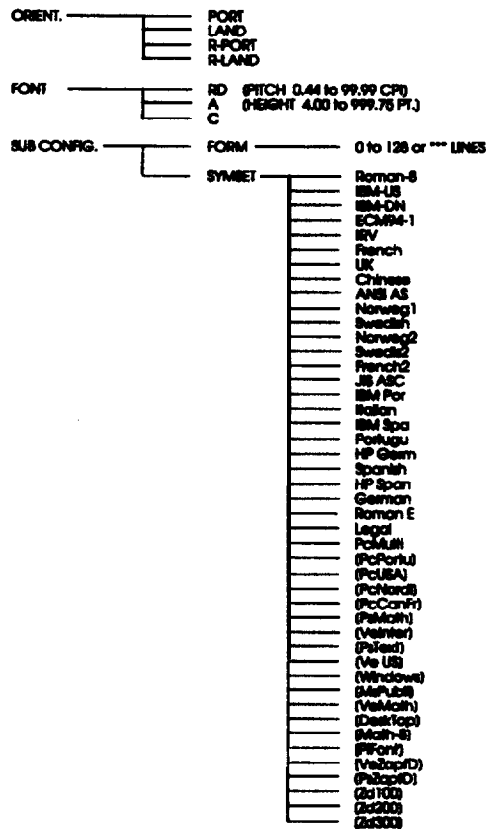
() — Only available with option

* — Only available when a font is downloaded

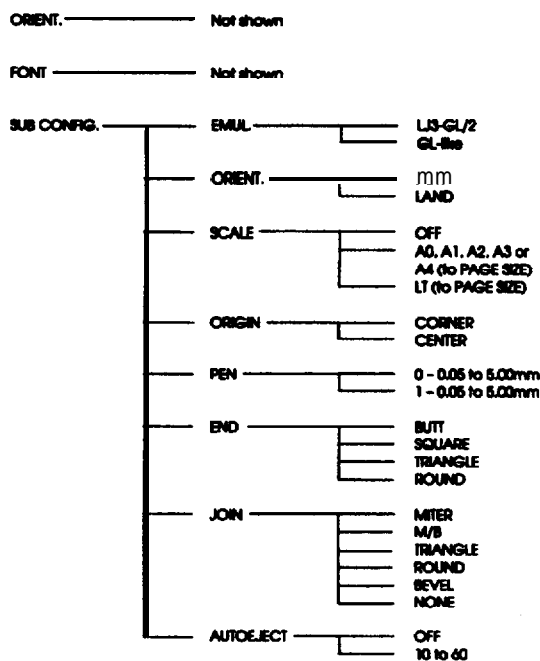
** — Only available on the ActionLaser 1500

SelecType Level 1

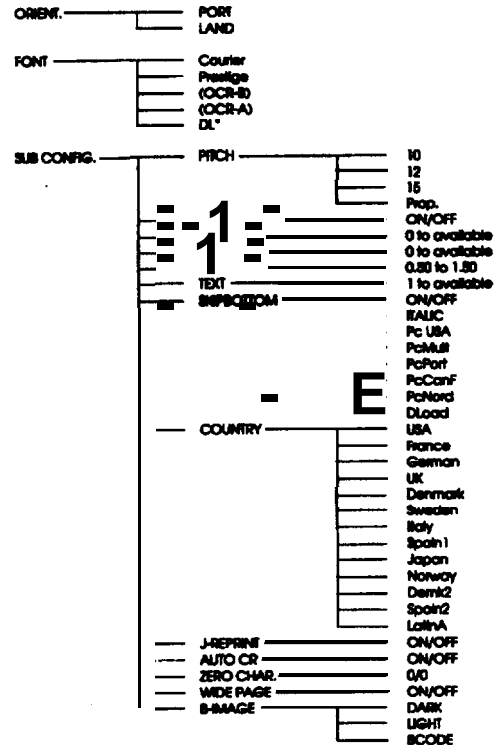
SelectType Level 1 LJ-2P and 3/P/Si modes



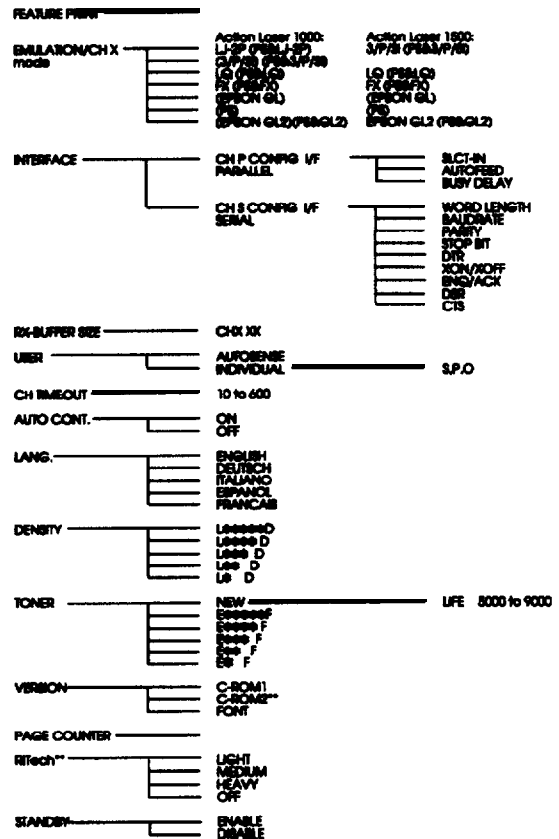
SelectType Level 1 in Epson GL/2 mode



SelectType Level 1 in LQ and FX modes



SelectType Level 2



Data Dump Mode

The data dump mode is a special feature that makes it easy for experienced users to find the cause of communication problems between the printer and computer. The data dump mode produces an exact printout of the codes reaching the printer.

1. Make sure that the printer is loaded with paper and turned off.
2. Hold down the LEVEL 2 button while you turn on the printer. Make sure you hold the button down until the READY :X DUMP message appears. (X is the channel in use.)
3. Run any program that causes the printer to print (either an application program or a program written in any programming language). Your printer prints out all of the codes sent to it in hexadecimal format as shown in the sample below.

```

*****  HEX DUMP LIST  *****      PAGE   1
0000  18 40 18 74 01 18 52 00 18 32 1c 36 1c 68 00 1c .B.t..R..2..k..
0001  78 00 18 43 46 18 4A 86 18 24 2C 00 1c 2E 18 68 x...CF..J...S....k
0002  60 18 21 00 18 78 01 43 68 01 70 74 65 72 18 24 ...x.Chapter.5
0003  54 00 35 18 4A 32 18 24 2C 00 54 72 6F 75 62 6C 2.S..J2.S..Troubl
0004  65 18 24 5A 00 73 68 6F 6F 74 69 6E 67 18 4A 5E e..S2..choosing..d"
0005  18 24 2C 00 54 68 6F 73 18 24 48 00 63 68 61 70 .S..This..SN..chap
0006  74 65 72 18 24 77 00 64 6F 73 63 73 73 65 73 ter..th..discussio
0007  18 24 81 00 70 72 6F 62 6C 65 68 73 18 24 86 00 .S..problems..S..
0008  79 6F 75 18 24 FC 00 60 61 79 18 24 13 01 65 6E you..S...may..S...en
0009  63 6F 75 6E 74 65 72 18 24 48 01 61 6E 64 18 24 ounter..SN..and..S
000A  64 01 74 68 65 6F 72 18 24 86 01 6C 69 68 65 6C d..their..S...libel
000B  79 18 4A 32 18 24 2C 00 73 6F 6C 75 74 69 6F 6E y..J2.S...solution
000C  73 2E 18 4A 32 18 24 2C 00 69 66 18 24 3C 00 61 s...J2.S...If..S4..a
000D  6E 18 24 48 00 65 72 72 6F 72 18 24 6F 00 6F 63 n..SN..error..So..oc
000E  63 73 72 73 2C 18 24 9E 00 79 6F 75 18 24 84 00 ured..S...you..S...
000F  62 65 73 74 18 24 01 00 73 6F 75 72 63 65 18 24 best..S...source..S

```

4. To turn off the data dump mode and stop printing, press ON LINE to set the printer off line. (If you press ON LINE while a page is being printed, the green ON LINE light flashes until the page is ejected and the printer goes off line.) To exit the data dump mode, turn off the printer or hold down the RESET button until INITIALIZE appears on the display.

Look at the sample data dump printout shown in Step 3. By reading the characters printed in the text field on the right side of the data dump printout or the printout of hexadecimal codes, you can check what codes are being sent to the printer. In the text field, printable characters appear as their true ASCII characters. Non-printable codes, such as control codes, are represented by dots.

For example, look at the first two hexadecimal codes on line 0006 of the printout sample (74 65). Code 74 represents the letter t; code 65 represents the letter e. Check the seventh line of the text field on the right side of the printout and you will find the letter t followed by the letter e.

Information Reference List

Engineering Change Notices

None.

Product Support Bulletins

None.

Technical Information Bulletins

None.

Related Documentation

TM-ACTL1/1500 ActionLaser 1000/1500 Service Manual

SPKACTL1/15 ActionLaser 1000/1500 Self Paced Kit

PL-ACTL1000 ActionLaser 1000 Parts Price List

PL-ACTL1500 ActionLaser 1500 Parts Price List

4001835 ActionLaser 1000/1500 Reference Guide

4001536 ActionLaser 1000/1500
Setup & Maintenance Guide

4001649 ActionLaser 1000/1500
Your First Laser Printer